

## SECTION 07460 - SIDING

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. This Section includes the following:
  - 1. Vinyl siding.
  - 2. Aluminum soffit.
- B. Related Sections include the following:
  - 1. Division 6 Section "Rough Carpentry" for sheathing and air-infiltration barrier.
  - 2. Division 7 Section "Joint Sealants" for field-applied sealants.
  - 3. Division 10 Section "Louvers" for louvers set in vinyl siding.

#### 1.3 SUBMITTALS

- A. Product Data: For each type of product specified. Include identification of materials; dimensions of individual components; installation instructions; and available profiles, textures, and colors.
- B. Samples for Initial Selection: Manufacturer's sample finishes showing the full range of colors, profiles, and textures available.
- C. Samples for Verification: Full-size units of each type of siding and trim indicated; in sets for each color, texture, and pattern specified.
  - 1. 12-inch- (300-mm-) long-by-actual-width sample of siding.
  - 2. 12-inch- (300-mm-) long-by-actual-width sample of trim.
- D. Research/Evaluation Reports: Evidence of siding's compliance with building code in effect for Project, from a model code organization acceptable to authorities having jurisdiction.

#### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer who has completed siding installations similar in material, design, and extent to that indicated for Project that has resulted in construction with a record of successful in-service performance.

- B. Source Limitations for Siding and Accessories: Obtain each color, texture, pattern, and type of siding and related accessories from one source with resources to provide products of consistent quality in appearance and physical properties without delaying the Work.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to Project site in manufacturer's unopened packages or bundles with labels intact.
- B. Store materials in a dry, well-ventilated, weathertight place. Comply with manufacturer's written instructions for storage, handling, and protection.

#### 1.6 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with siding installation only if existing and forecasted weather conditions permit siding to be installed according to manufacturer's written instructions and if substrate is completely dry.

#### 1.7 WARRANTY

- A. General Warranty: The special warranty specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.
- B. Special Project Warranty: Submit a written warranty, executed by siding manufacturer, agreeing to repair or replace siding that fails in materials or workmanship within the specified warranty period. Failures include, but are not limited to, cracking, deforming, fading, or otherwise deteriorating beyond normal weathering. Fading is defined as loss of color, after cleaning with product recommended by manufacturer, of more than 4 color-difference units as measured according to ASTM D 2244.

- 1. Warranty Period: 20 years from date of Substantial Completion.

#### 1.8 EXTRA MATERIALS

- A. Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels describing contents.

- 1. Furnish full lengths of siding in a quantity equal to 2 percent of amount installed.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Vinyl Siding:
  - a. Alcoa Building Products.
  - b. Alside, Inc.
  - c. CertainTeed Corp.; Vinyl Building Products Group.
  - d. Georgia-Pacific Corp.
  - e. Heartland Building Products.
  - f. Owens-Corning
  - g. Wolverine Technologies, Inc.

## 2.2 SIDING

- A. Formed Vinyl Siding: Solid vinyl siding and accessories complying with ASTM D 3679. Either type noted below is acceptable, however once selected, only one type of siding may be used on the project.
1. Vertical Pattern: 8-inch (203-mm) exposure in double 4-inch (101-mm) beaded-edge style.
  2. Vertical Pattern: 10-inch (254-mm) exposure in double 5-inch (127-mm) style.
  3. Texture: Wood grain.
- B. Aluminum Soffit: Aluminum soffit complying with AAMA 1402, fabricated from aluminum sheet in alloy recommended by siding manufacturer, and as follows:
1. Pattern: 6-inch (152-mm) exposure.
  2. Ventilation: Provide perforated soffit.
  3. Thickness: 0.019 inch (0.5 mm) nominal.
  4. Finish: Manufacturer's standard 2-coat PVC finish.

## 2.3 ACCESSORIES

- A. Siding Accessories: Provide starter strips, edge trim, window head flashing, corner cap, and other items as recommended by manufacturer for building configuration; match type of siding.
- B. Decorative Accessories: Provide the following types of decorative accessories as indicated:
1. Moldings and trim.
- C. Fasteners: Noncorrosive aluminum siding nails, in sufficient length to penetrate a minimum of 1 inch (25 mm) into substrate. Provide prefinished fasteners in color to match siding where face nailing is unavoidable.

## 2.4 COLORS AND TEXTURES

- A. Where manufacturer's standard products are indicated, provide siding and accessories complying with the following requirements:

1. Provide Architect's selections from manufacturer's full range of colors and textures for siding and accessories of type indicated. Accessories may be required to match siding or to be of a different color or texture as selected by Architect.

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION**

- A. Examine substrates for compliance with requirements for substrates, installation tolerances, and other conditions affecting performance of siding. Do not proceed with installation until unsatisfactory conditions have been corrected.

#### **3.2 PREPARATION**

- A. Clean substrates of projections and substances detrimental to application.
- B. Coordinate installation with flashings and other adjoining construction to ensure proper sequencing.

#### **3.3 INSTALLATION**

- A. General: Comply with siding manufacturer's written installation instructions applicable to products and applications indicated, unless more stringent requirements apply. Center nails in elongated nailing slots without binding siding to allow for thermal movement. Overlap joints to shed water away from direction of prevailing wind.
- B. Install aluminum siding, soffit, and accessories according to AAMA 1402.
- C. Isolate dissimilar metals by separating from siding with rubber gaskets, elastomeric sealant, or rubber washers where fasteners penetrate siding. Dissimilar metals behind siding may be isolated by covering with polyethylene film.

#### **3.4 ADJUSTING AND CLEANING**

- A. Remove and replace damaged, improperly installed, or otherwise defective siding materials with new materials complying with specified requirements.
- B. Clean finished surfaces according to siding manufacturer's written instructions and maintain in a clean condition during construction.

**END OF SECTION 07460**